

## EPS

## 2A RPC TRIP OR POWER LOSS

Advisory

①

RPCM Tripped

User Notification

Loss of power

1	Check RPC Op/Cl Status
PCS Node 1: EPS: RPCM XXXX X RPCM XXXX X	
Is affected RPC Opened or Closed?	

CI

2	Failure isolation
<ul style="list-style-type: none"> <li>Determine if this is an instrumentation or firmware failure, or downstream failure (load or cable).</li> </ul>	
Power on at load?	

Yes

3	Instrumentation or firmware problem
---	-------------------------------------

No

4	Check Trip Status
RPCM XXXX X	
RPC trip indication?	

No

Yes

5	Dump Hindsight Buffer
<ul style="list-style-type: none"> <li>Have <b>MCC-H</b> perform RPCM BDT Procedure.</li> </ul>	
(As reported by <b>MCC-H</b> ) Did Data indicate an overcurrent trip?	

No

Yes

7	Prevent use of RPC
RPCM XXXX X	
<ul style="list-style-type: none"> <li>sel RPC X</li> <li>sel Commands</li> <li>cmd Close - Inhibit Execute</li> </ul>	

9

6	Close RPC
RPCM XXXX X	
<ul style="list-style-type: none"> <li>sel RPC X</li> <li>sel Commands</li> <li>cmd Open Execute</li> <li>cmd Close Execute</li> </ul>	

8	RPC Status
RPCM XXXX X	
RPC open/close status?	

Op

9	Request RPCM Replacement.
---	---------------------------

7

10	Request maintenance
<ul style="list-style-type: none"> <li>Notify OSO of need to remove power cable downstream of the affected RPC for further fault isolation.</li> <li>Identify any time constraints.</li> <li>Wait for OSO go for maintenance (remove cable connection at load, see if RPC closes).</li> </ul>	

11	Power status
Power on at load?	

No

12	Request evaluation of load.
----	-----------------------------

Yes

13	Transient and/or bad telemetry
----	--------------------------------

①

C&W advisory message is at the RPCM level but trip indication is for the RPC.

②

Moves data from firmware controller to MDM and then dumps the data from the MDM to the ground.